

REGULAR MAINTENANCE INSPECTION — Every 12,500 Miles

All 1977 Models (37,500 Mile Intervals)



Customer: _____ Work Order No.: _____
 Address: _____ License No.: _____
 City & State: _____ Mileage: _____
 Zip Code or Province: _____ Time Promised: _____

Maintenance Work to be Performed:

- ☐ MB Maintenance Service (three sections) with engine oil change and oil filter service.
 Oil: Brand-Viscosity _____

Additional Maintenance Work to be Performed Every 37,500 Miles:

- ☐ Radiator Coolant: _____ °F
 FILL/DRAIN/CHECK. Add rust inhibitor.
 Change every other year.
☐ Drain and renew brake fluid. (once a year, preferably in Spring). Use only specified brake fluid.

M-B Individual Maintenance Jobs Performed as Needed:

- ☐ Section I: Lubrication Service
 Engine oil change with oil filter service.
 Oil: Brand-Viscosity _____
☐ Section II: Engine Testing;
 Engine maintenance.
☐ Section III: Safety Inspection.

Special Maintenance Work Performed at Extra Cost:

- ☐ Sliding Roof: Clean guide channels and lubricate lightly.
☐ Lighting System: Check headlights and aim.
☐ Battery: Clean housing and terminals; grease terminals lightly.
☐ Car wash.
☐ Wax and Polish.
☐ Clean Engine and Engine Compartment; lubricate all control linkages.

Special Instructions from Customer:

Visual Inspection: Check For Leakage and General Condition.

- | | | | |
|---------------------------------------|--|---|--|
| <input type="checkbox"/> Engine | <input type="checkbox"/> Rear Axle | <input type="checkbox"/> Front Axle | <input type="checkbox"/> Undercarriage |
| <input type="checkbox"/> Steering | <input type="checkbox"/> Brakes | <input type="checkbox"/> Tires | <input type="checkbox"/> Body Condition |
| <input type="checkbox"/> Transmission | <input type="checkbox"/> Shock Absorbers | <input type="checkbox"/> Exhaust System | <input type="checkbox"/> Hydropneumatic System |

Result: _____

Section I: Lubrication Service with Oil Filter Change

240D-300D
 230
 280E
 280 SE
 450-All
 6.9

- ☐ ☐ ☐ ☐ ☐ ☐ Oil Change
☐ ☐ ☐ ☐ ☐ ☐ 151 Engine oil with filter change.

Inspection for Leaks and Condition

- ☐ ☐ ☐ ☐ ☐ ☐ 038 Heating & cooling system.

240D-300D
 230
 280E
 280 SE
 450-All
 6.9

- ☐ ☐ ☐ ☐ ☐ ☐ 041 Fuel hoses and pipes.
☐ 045 Clutch operating mechanism
 510 (240 D only).
☐ 086 Hydropneumatic springs

(continued)

240D-300D	230	280E	280 SE	450-All	6.9	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120 Automatic transmission.
<input type="checkbox"/>						121 Manual transmission (240 D only).
				<input type="checkbox"/>		139 Hydropneumatic system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	130 Rear axle.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	134 Power steering.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	465 Windshield washer system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	484 Air conditioning.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	700 Brake system.
	<input type="checkbox"/>					788 Stromberg carburetor.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	821 Battery.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	990 Radiator.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	350 Door hinges.

Check Fluid Level and Replenish

(Check for leakage).

Body and Chassis Lubrication

240D-300D	230	280E	280 SE	450-All	6.9	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	393 Door locks and hinges.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	395 Hood.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	375 Outside rear view mirror.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	415 Engine control linkages, control shafts and cables
Use only the following factory-recommended hydraulic oils: BP Hydraulic 1; Castrol DB Hydraulic Fluid; Esso Univers J-43; Mobile Aero HFA; Shell Aero Fluid 4.						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	492 Clean door seal flanges. Coat door seals with OREL or similar rubber treatment.

Section II : Electronic Engine Test and Engine Maintenance

240D-300D	230	280E	280 SE	450-All	6.9	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	753 Adjust valve clearances.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	202 Clean filter element; replace every 37,500 miles.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	762 Clean flame arrester.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	757 Check all drive belt tension and condition.
	<input type="checkbox"/>					785 Exhaust manifold heater flap. Check for free movement and free up as required (Engine M 115 only).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	770 Replace spark plugs.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	772 Check ignition timing and ignition change-over.
<input type="checkbox"/>						787 Check start of delivery.
<input type="checkbox"/>				<input type="checkbox"/>		813 Throttle control linkage: check for ease of movement.

Mechanical

240D-300D	230	280E	280 SE	450-All	6.9	
	<input type="checkbox"/>					773 Replace distributor points.
	<input type="checkbox"/>					782 Check and adjust dwell angle, ignition timing and ignition changeover.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	832 Analyze engine with oscilloscope.
	<input type="checkbox"/>					797 Check and adjust engine idle speed control.
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	798 Carburetor and injection engines: check idle adjustment with C.O. tester. Check throttle lift (carburetor engines).
	<input type="checkbox"/>					895 Check alternator fastening bolt for tightness.

Section III : Safety Check

240D-300D	230	280E	280 SE	450-All	6.9	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	025 Steering system: check steering coupling for wear and clamping screws for tightness. Check for excessive wear in the system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	983 Wheels: remove and reinstall. Check wheel disc for condition. Check inner rim for dirt accumulation.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	982 Tires: check tire tread wear and other tire damage.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	987 Correct tire air pressure.

240D-300D	230	280E	280 SE	450-All	6.9	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	707 Brake pads: remove, clean, check and replace if necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	703 Brake calipers: check for leakage and piston action. check condition of dust shield.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	709 Brake discs: check condition
	<input type="checkbox"/>	<input type="checkbox"/>				708 Brake discs: Clean ventilating passages.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	009 Parking brake: Check brake cable action.

(continued)

240D-300D
230 280E 280 SE 450-All 6.9
☐ ☐ ☐ ☐ ☐ ☐

706 Parking brake: re-adjust.

☐ ☐ ☐ ☐ ☐ ☐

028 Maintenance free joints for front axle: check for sealing and condition of steering joint sealing collars.

☐ ☐ ☐

3353 (M.M. Vol. 2) Check ball joints for looseness

☐ ☐ ☐ ☐ ☐ ☐

029 Steering: check for sealing and condition of sealing collars and steering rods.

Retightening of Nuts, Bolts, and Retaining Parts

☐ ☐ ☐ ☐ ☐ ☐

924 Steering gear mounting screws (3).

☐ ☐ ☐ ☐ ☐ ☐

988 Wheel bolts.

☐ ☐ ☐ ☐ ☐ ☐

099 Check function of:

- ____ Headlight, rear lights and stop light.
- ____ Directional signals: Hazard warning lights.
- ____ Windshield wiper, windshield washer.
- ____ Heating and ventilation.

240D-300D
230 280E 280 SE 450-All 6.9
☐ ☐ ☐ ☐ ☐ ☐

098 Road test or dynamometer

____ Clutch.

____ Manual transmission.

____ Automatic transmission.

____ Air conditioner.

☐ ☐ ☐ ☐ ☐ ☐

097 Brake test on test stand/road.

☐ 020 Sealed joints of the hydropneumatic suspension struts: Check for leaks and condition of rubber boots.

Tire tread depth and brake performance

Front—Left		Front—Right	
IN.	KP	IN.	KP
Rear—Left		Rear—Right	
IN.	KP	IN.	KP

Maintenance

Additional Maintenance Work to be Performed Every 37,500 Miles

240D-300D
230 280E 280 SE 450-All 6.9
☐ ☐ ☐ ☐ ☐ ☐

Oil Change

170 Automatic transmission oil change.

☐ ☐ ☐ ☐ ☐ ☐

Filter Replacement or Cleaning

174 Automatic transmission: replace filter element.

☐ ☐ ☐ ☐ ☐ ☐

202 Air filter element: replace.

☐ ☐ ☐ ☐

840/847 Fuel filter: Clean strainer, replace filter.

☐

845 Fuel main filter: Clean filter element and filter housing.

☐

844 Fuel pre-filter: check.

Lubrication

☐ ☐ ☐ ☐ ☐ ☐

388 Front wheel grease caps: clean and refill with new grease.

☐ 631 Repack front wheel bearings; check roller bearings.

240D-300D
230 280E 280 SE 450-All 6.9
☐ ☐ ☐ ☐ ☐ ☐

Tightening of Nuts and Bolts

871 Intake and exhaust manifold nuts and exhaust flange bolts.

☐ ☐

Exhaust pipe flange only.

☐

876 Carburetor mounting flange screws.

Checking

☐

501 Check clutch lining thickness (manual transmission only). (240 D only).

☐ ☐ ☐ ☐ ☐ ☐

625 Check front wheel toe-in.

☐ ☐ ☐ ☐ ☐ ☐

030 Check propeller shaft joint discs for wear or damage.

☐

628 Check pressure reservoirs of hydropneumatic springs.

☐ ☐

767 Replace catalyst some time after 50,000 miles, if required; Engine M 110 at 37,500 miles and after 50,000 miles, if required.

Date _____

Service Manager (Signature) _____